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What is claimed is:

- 1. A substantially pure tumor suppressor nucleic acid molecule comprising at least fifteen contiguous nucleotides of SEQ ID NO:2, or a functional fragment of said molecule
- 2. The substantially pure tumor suppressor nucleic acid molecule of claim 1, comprising the nucleotide sequence of SEQ ID NO:18, or a functional fragment of said molecule.

3. A substantially pure tumor suppressor nucleic acid molecule comprising substantially the same nucleic acid sequence as SEQ ID NO:5, or a functional fragment thereof.

4. A substantially pure tumor suppressor nucleic acid molecule encoding substantially the same amino acid sequence as SEQ ID NO:6, or encoding a functional fragment thereof.

5. A substantially pure tumor suppressor nucleic acid molecule comprising at least fifteen

20 contiguous residues of the nucleotide sequence set forth as SEQ ID NO:4, or a functional fragment of said molecule.

6. A substantially pure hairpin ribozyme nucleic acid molecule, comprising a sequence selected from the group consisting of SEQ ID NO:1 and SEQ ID NO:3.

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- 7. A substantially pure tumor suppressor polypeptide, comprising substantially the same amino acid sequence as SEQ ID NO:6, or a functional fragment thereof.
- 8. A substantially pure antibody or antigen binding fragment thereof specifically reactive with the polypeptide of claim 7.
  - 9. A method of detecting a neoplastic cell in a sample, comprising:
- (a) contacting the sample with a detectable agent specific for the tumor suppressor nucleic acid molecule of claims 1, 2, 3, 4 % 5; and
- (b) detecting said nucleic acid molecule in said sample, wherein altered expression or structure of
   said nucleic acid molecule indicates the presence of a neoplastic cell in said sample.
  - 10. A method of detecting a neoplastic cell in a sample, comprising:
- (a) contacting the sample with a detectable 20 agent specific for the tumor suppressor polypeptide of claim 7; and
  - (b) detecting said polypeptide in said sample, wherein altered expression or structure of said polypeptide indicates the presence of a neoplastic cell in said sample.

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